

10/591186

HIRO3010 Sequence Listing  
SEQUENCE LISTING

AP18 Rec'd PCT/PTO 30 AUG 2006

<110> Hirasawa, Akira  
Tsujimoto, Gozo

<120> Pharmaceutical Composition For Lowering Blood Sugar Level

<130> HIRA3010/REF

<150> JP2004056452

<151> 2004-03-01

<150> JP2004240607

<151> 2004-08-20

<160> 7

<170> PatentIn version 3.1

<210> 1

<211> 377

<212> PRT

<213> Homo sapiens

<400> 1

Met Ser Pro Glu Cys Ala Arg Ala Ala Gly Asp Ala Pro Leu Arg Ser  
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Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys  
20 25 30

Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val  
35 40 45

Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu  
50 55 60

Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn  
65 70 75 80

Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu  
85 90 95

Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His  
100 105 110

Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr  
115 120 125

Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln  
130 135 140

Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala  
145 150 155 160

Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe  
165 170 175

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Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser  
180 185 190

Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp  
195 200 205

Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val  
210 215 220

Ile Ser Tyr Ser Lys Ile Leu Gln Thr Ser Glu His Leu Leu Asp Ala  
225 230 235 240

Arg Ala Val Val Thr His Ser Glu Ile Thr Lys Ala Ser Arg Lys Arg  
245 250 255

Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser  
260 265 270

Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser  
275 280 285

Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu  
290 295 300

Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe  
305 310 315 320

Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu  
325 330 335

Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys  
340 345 350

Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys  
355 360 365

Arg Asn Asp Leu Ser Ile Ile Ser Gly  
370 375

<210> 2  
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<212> PRT  
<213> Mus musculus

<400> 2

Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser His Thr  
1 5 10 15

Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys  
20 25 30

# HIRO3010 Sequence listing

Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly  
35 40 45

Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu  
50 55 60

Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn  
65 70 75 80

Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu  
85 90 95

Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His  
100 105 110

Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr  
115 120 125

Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg  
130 135 140

Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala  
145 150 155 160

Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu  
165 170 175

Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro  
180 185 190

Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp  
195 200 205

Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val  
210 215 220

Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg  
225 230 235 240

Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser  
245 250 255

Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser  
260 265 270

Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu  
275 280 285

Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe  
290 295 300

# HIRO3010 Sequence listing

Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu  
305 310 315 320

Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys  
325 330 335

Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg  
340 345 350

Arg Asn Asp Leu Ser Val Ile Ser Ser  
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<223> Description of Artificial Sequence:Synthetic DNA

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<210> 4  
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<210> 7  
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<212> DNA

# HIRO3010 Sequence listing

<213> Mus musculus

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